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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/986,746	12/08/97	YANG	T EM/3340

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MM61/0609

EXAMINER	
RILEY, S	
ART UNIT	PAPER NUMBER
2838	

DATE MAILED: 06/09/98

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.  
08/986,746

Applicant(s)  
Yang

Examiner  
Riley

Group Art Unit  
2838



- ☐ Responsive to communication(s) filed on \_\_\_\_\_.
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

- ☒ Claim(s) 1-30 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

- ☐ Claim(s) \_\_\_\_\_ is/are allowed.

- ☒ Claim(s) 1-30 is/are rejected.

- ☐ Claim(s) \_\_\_\_\_ is/are objected to.

- ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

- ☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☒ The drawing(s) filed on 8 Dec 1997 is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☒ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- ☐ Notice of References Cited, PTO-892
- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_
- ☐ Interview Summary, PTO-413
- ☒ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

Shawn Riley  
Primary Examiner  
AU 2838  
8

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2838

## **DETAILED ACTION**

### ***Drawings***

1. The drawings are objected to because they fail to label (figures 1-23) what the element boxes are. Without some indication as to the content of the boxes (or preferably ansi symbols of the actual elements) it is not clear as to what the elements are and they are not explanatory to a reader as a quick method of determining the general background of the invention.

See MPEP 608.02 subparagraph (o) -- **Legends**

Suitable descriptive legends may be used, or may be required by the Examiner, where necessary for understanding of the drawing, subject to approval by the Office. They should contain as few words as possible.

2. The drawings are objected to under 37 CFR 1.83(a) because they fail to show R110 and R111 as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Correction is required.

### ***Specification***

3. The specification is replete with grammatical errors too numerous to mention specifically. See, e.g., page 4 line 28. The specification should be revised carefully.

Art Unit: 2838

4. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

5. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

#### *Claim Objections*

6. Claims 1-30 are objected to under 37 C.F.R. 1.75(a) because of the following informalities: the claims are written in improper legal format, e.g., each claim should represent a single sentence, appropriately punctuated and formatted by paragraphs and subparagraph and capitalized only where a proper noun and the first word of the claim (once) appears. Appropriate correction is required.

#### *Claim Rejections - 35 USC § 112*

7. Claims 1-30 are rejected under 35 U.S.C. § 112, 2<sup>nd</sup> paragraph,

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

The following are but a **few** specific examples of indefinite and functional or operational language used throughout ALL of the claims, and are only intended to illustrate the extensive revision required to overcome the rejection under 35 USC 112, second

Art Unit: 2838

paragraph. Applicant is required to revise all of the claims completely, and not just correct the indefinite and functional or operational languages mentioned below. The following therefore is in no way a complete and thorough listing of every indefinite and functional or operational language used throughout the claims.

In claim(s) :

at line:

1

13 the phrase "the secondary AC power source" lacks antecedent basis.

13 of the third page the phrase "the current limiting resistor R110 and zener diode ZD110" lacks antecedent basis.

18 of the third page the phrase "the fixed voltage distributing ...." lacks antecedent basis.

2 of the fourth page the phrase "the pulse-width modulation function" lacks antecedent basis.

8 of the fourth page the phrase "it is for series combined" is not understood.

10 of the fourth page the phrase "the second wave filter capacitor 108" lacks antecedent basis.

11 of the fourth page the phrase "the accumulated power" lacks antecedent basis.

18 of the fourth page the phrase "the voltage pulsation" lacks antecedent basis.

6 of the fifth page the phrase "the detected voltage feedback signal" lacks antecedent basis.

Art Unit: 2838

9-30

e.g., at line 10 reference to "a diode 107" is not understood, does this refer to the diode 107 in claim 1 or a new diode 107? Likewise the reference to "a second wave filter capacitor 108" as recited, e.g., in claim 12, is not understood, does this refer to the second wave filter capacitor of claim 1 or a different 108 second wave filter capacitor?

11

9 the phrase "the series combined zener diode ZD101" lacks antecedent basis.

13

the phrase "setting permissible circuits. in" is not understood.

14

the phrase "a zener diode ZD110" is not understood, does this refer to the ZD110 of claim 1?

15

the phrase "the pulse-width modulation functioning voltage output control device CL110" lacks antecedent basis.

Art Unit: 2838

16

the phrase "the variable resistor VR111" lacks antecedent basis.

24 & 25

the phrase "combined in polar direction" is not understood.

25


the phrase "a load terminal voltage detector device 110" is not understood, does this refer to the 110 device of claim 1?

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Examiner Riley whose telephone number is 703.305.3487. The Examiner can normally be reached Monday through Thursday from 7:30-6:00 p.m. Eastern Standard Time.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Peter Wong, can be reached on 703.305.3477. The fax phone number for this Group is 703.305.7731 or 7732. Further, the fax phone number for this art unit (2111) is 703.305.7723.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is 703.308.1782.



Shawn Riley  
Primary Examiner  
Art Unit 2838